

• A Free Project Sheet •
• NOT FOR RESALE •

Planetary Missions

QUILT 1



Featuring fabrics from the **Planetary Missions** collection from **STUDIO·e·fabrics**

Fabric Requirements

- (A) 5312P-97 1 panel
- (B) 1351-Royal*..... 7/8 yard
- (C) 5307-09 1/4 yard
- (D) 5308-97 3/8 yard
- (E) 1351-Lava*..... 1/2 yard
- (F) 5305-77 1/4 yard
- (G) 1351-Pigment White* 3/4 yard
- (H) 5309-97 2 yards*

- (I) 5304-73 1/4 yard
- (J) 5306-94 1/4 yard
- (K) 5310-90 1 3/8 yards
- Backing
5303-97 5 yards

* Includes Binding
** Just Color! Collection

Additional Supplies Needed

- Batting 68" x 88" (Recommended:
Air Lite® Colour Me 100% Cotton)
- Piecing and sewing thread
- Quilting and sewing supplies

Quilt designed by Heidi Pridemore
Finished Quilt Size 60" x 80"
Skill Level: Advanced Beginner

Please check our website for pattern updates before starting this project.

Fabrics in the Collection



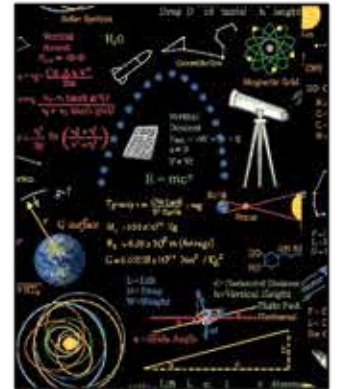
Outer Space - Multi
5303-97



Tossed Satellites - Blue
5304-73



Solar System - Multi
5305-77



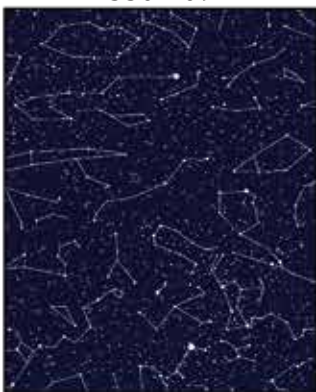
Graphics and Formulas - Multi
5306-94



Patches - Multi
5307-09



Nebula - Blue
5308-97



Constellations - Black
5309-97



Tossed Astronauts - Black
5310-90



Large Blocks Panel - Multi
5311P-79

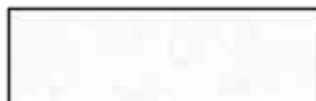


Earth Panel - Multi
5312P-97

Select Fabrics from Just Color!



Lava
1351-Lava



Pigment White
1351-Pigment White



Royal
1351-Royal

Cutting

Cutting Instructions

Please note: All strips are cut across the width of fabric (WOF) from selvage to selvage edge unless otherwise noted.

WOF= Width of Fabric • LOF = Length of Fabric

Fabric A (5312P-97 Earth Panel 24" x 44" – Multi):

- Fussy cut (1) 23 ½" x 43 ½" WOF strip, centered on the panel.

Fabric B (1351-Royal Just Color! – Royal), cut:

- (3) 2" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 2" x 43 ½" strips.
- (2) 2" x 26 ½" WOF strips.
- (4) 1 ½" x WOF strips, sub-cut (14) 1 ½" x 10 ½" strips.
- (4) 1 ½" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 1 ½" x 65 ½" strips.
- (3) 1 ½" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 1 ½" x 47 ½" strips.

Fabric C (5307-09 Patches – Multi), cut:

- (1) 5 ½" x WOF strip, sub-cut (4) 5 ½" squares.

Fabric D (5308-97 Nebula – Blue), cut:

- (3) 3" x WOF strips, sub-cut (32) 3" squares.

Fabric E (1351-Lava Just Color! – Lava), cut:

- (3) 3" x WOF strips, sub-cut (16) 3" x 5 ½" strips.
- (2) 3" x WOF strips, sub-cut (16) 3" squares.

Fabric F (5305-77 Solar System – Multi), cut:

- (1) 5 ½" x WOF strip, sub-cut (4) 5 ½" squares.

Fabric G (1351-Pigment White Just Color! – Pigment White), cut:

- (7) 3" x WOF strips, sub-cut (96) 3" squares.

Fabric H (5309-97 Constellations – Black), cut:

- (7) 3" x WOF strips, sub-cut (48) 3" x 5 ½" strips.
- (4) 3" x WOF strips, sub-cut (48) 3" squares.
- (4) 2" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 2" x 67 ½" strips.
- (3) 2" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 2" x 50 ½" strips.
- (2) 1 ½" x WOF strips, sub-cut (6) 1 ½" x 10 ½" strips.
- (7) 2 ½" x WOF strips for the binding.

Fabric I (5304-73 Tossed Satellites – Blue), cut:

- (1) 5 ½" x WOF strip, sub-cut (4) 5 ½" squares.

Fabric J (5306-94 Graphics and Formulas – Multi), cut:

- (1) 5 ½" x WOF strip, sub-cut (4) 5 ½" squares.

Fabric K (5310-90 Tossed Astronauts – Black), cut:

- (4) 5 ½" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 5 ½" x 70 ½" strips.
- (3) 5 ½" x WOF strips. Sew the strips together end to end with diagonal seams and cut (2) 5 ½" x 60 ½" strips.

Backing (5303-97 Outer Space – Multi), cut:

- (2) 88" x WOF strips. Sew the strips together and trim to 68" x 88" to make the back.

Sewing

Sew using a ¼" seam allowance with right sides together (RST) unless otherwise indicated. Always press towards the darker fabric while assembling, unless otherwise noted by the arrows.

Block Assembly

Note: Pay attention to the unit orientations when assembling the various components.

1. Sew (1) 2" x 43 ½" Fabric B strip to each side of the 23 ½" x 43 ½" Fabric A panel. Sew (1) 2" x 26 ½" Fabric B strip to the top and to the bottom of the Fabric A panel. **Trim the block to measure 25 ½" x 45 ½"** to make the Center Block (Fig. 1).

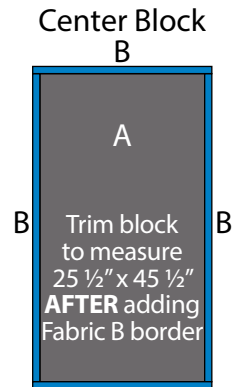


Fig. 1 B

2. Place (1) 3" Fabric G square on the left side of (1) 3" x 5 ½" Fabric H strip, right sides together (Fig. 2). Sew across the diagonal of the square from the upper right corner to the lower left corner (Fig. 2). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a ¼" seam allowance (Fig. 3).

3. Place another 3" Fabric G square on the right side of the 3" x 5 ½" Fabric H strip, right sides together (Fig. 4). Sew across the diagonal of the square from the upper left corner to the lower right corner (Fig. 4). Flip open the triangle formed and press. Trim away the excess fabric from behind the triangle, leaving a ¼" seam allowance to make (1) Unit 1 strip (Fig. 5).

4. Repeat Steps 2-3 to make (48) Unit 1 strips total.

5. Repeat Steps 2-3 and refer to Figure 6 for fabric identification, placement and seam direction to make (16) Unit 2 strips.

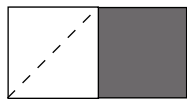


Fig. 2

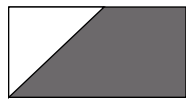


Fig. 3

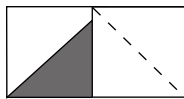


Fig. 4

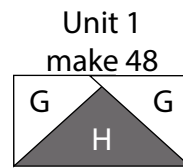


Fig. 5

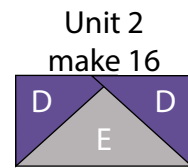


Fig. 6

6. Sew (1) 3" Fabric H strip to each end of (1) Unit 1 strip to make the top row. Repeat to make the bottom row. Sew (1) Unit 1 strip to each side of (1) 5 ½" Fabric J square to make the middle row. Sew the (3) rows together to make (1) Block One square (Fig. 7). Repeat to make (4) Block One squares total.

7. Repeat Step 6 and refer to Figures 8-10 for component identification, placement and orientation to make (4) Block Two squares, (4) Block Three Squares and (4) Block Four squares.

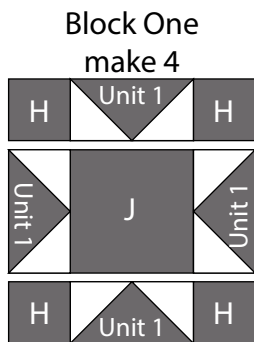


Fig. 7

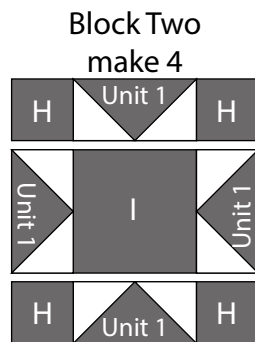


Fig. 8

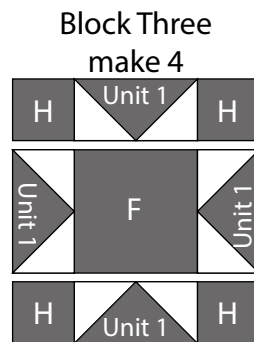


Fig. 9

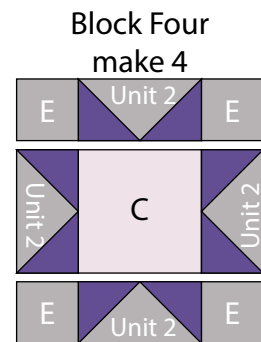


Fig. 10

8. Sew together (1) 1 ½" x 10 ½" Fabric B strip, (1) Block One square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block Two square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block Three square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block One square and (1) 1 ½" x 10 ½" Fabric B strip, in that order from top to bottom, to make the Left Side Border (Fig. 11).

9. Sew together (1) 1 ½" x 10 ½" Fabric B strip, (1) Block One square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block Three square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block Two square, (1) 1 ½" x 10 ½" Fabric B strip, (1) Block One square and (1) 1 ½" x 10 ½" Fabric B strip, in that order from top to bottom, to make the Right Side Border (Fig. 12).

10. Sew together (1) Block Four square, (1) 1 ½" x 10 ½" Fabric B strip, (1) 1 ½" x 10 ½" Fabric H strip, (1) Block Three square, (1) 1 ½" x 10 ½" Fabric H strip, (1) Block Two square, (1) 1 ½" x 10 ½" Fabric H strip, (1) 1 ½" x 10 ½" Fabric B strip and (1) Block Four square, in that order from left to right, to make the Top Border (Fig. 13).

11. Sew together (1) Block Four square, (1) 1 ½" x 10 ½" Fabric B strip, (1) 1 ½" x 10 ½" Fabric H strip, (1) Block Two square, (1) 1 ½" x 10 ½" Fabric H strip, (1) Block Three square, (1) 1 ½" x 10 ½" Fabric H strip, (1) 1 ½" x 10 ½" Fabric B strip and (1) Block Four square, in that order from left to right, to make the Bottom Border (Fig. 14).

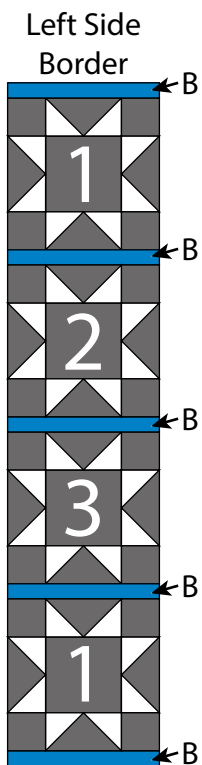


Fig. 11

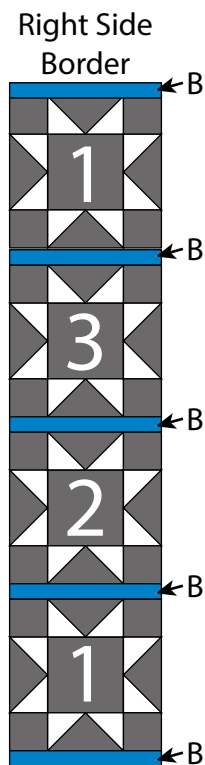


Fig. 12

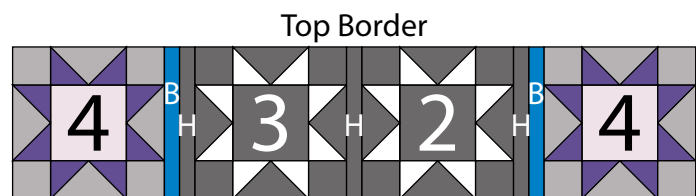


Fig. 13

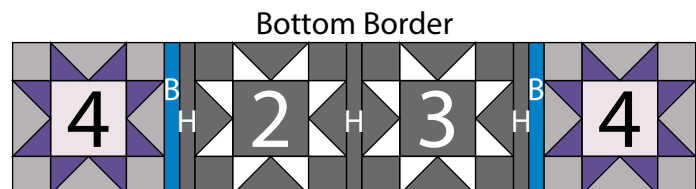


Fig. 14

Quilt Top Assembly

(Follow the Quilt Layout while assembling the quilt top.)

12. Sew the Left Side Border and Right Side Border to the left and to the right of the Center Block. Sew the Top Border and Bottom Border to the top and to the bottom of the Center Block.

13. Sew (1) 1 ½" x 65 ½" Fabric B strip to each side of the Center Block. Sew (1) 1 ½" x 47 ½" Fabric B strip to the top and to the bottom of the Center Block.

14. Sew (1) 2" x 67 ½" Fabric H strip to each side of the Center Block. Sew (1) 2" x 50 ½" Fabric H strip to the top and to the bottom of the Center Block.

15. Sew (1) 5 ½" x 70 ½" Fabric K strip to each side of the Center Block. Sew (1) 5 ½" x 60 ½" Fabric K strip to the top and to the bottom of the Center Block to make the quilt top.

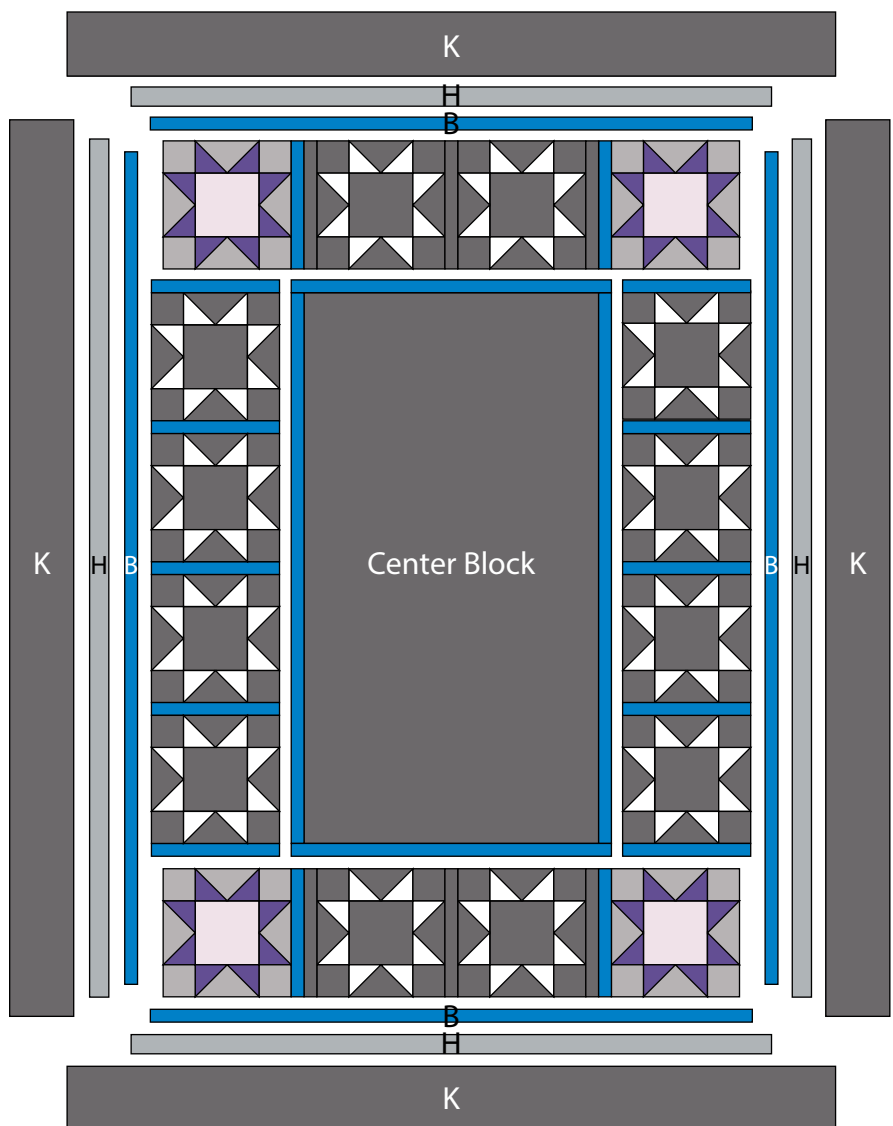
Layering, Quilting and Finishing

16. Press the quilt top and 68" x 88" backing well. Layer backing (wrong side up), batting, pressed quilt top (right side up) and baste. Quilt as desired and trim excess batting and backing when quilting is complete.

Binding

17. Cut the ends of the (7) Fabric H binding strips at a 45-degree angle and sew end to end to make (1) continuous piece of binding. Fold in half lengthwise and press wrong sides together.

18. Sew the binding to the front of the quilt, raw edges together. Turn the folded edge to the back, and hand stitch in place.



Quilt Layout

*Every effort has been made to ensure that all projects are error free. All the information is presented in good faith, however no warranty can be given nor results guaranteed as we have no control over the execution of instructions. Therefore, we assume no responsibility for the use of this information or damages that may occur as a result. When errors are brought to our attention, we make every effort to correct and post a revision as soon as possible. Please make sure to check www.studioefabrics.net for pattern updates prior to starting the project. We also recommend that you test the project prior to cutting for kits. Finally, all free projects are intended to remain free to you and are **not for resale**.*